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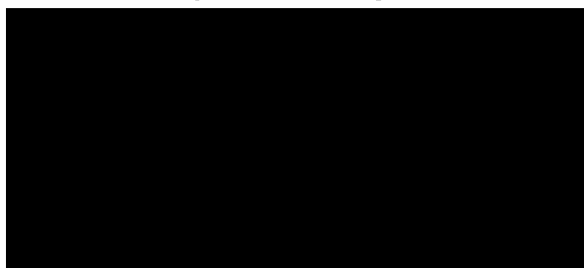
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PROBABLE REGIONAL SAM ASSEMBLY AND STORAGE FACILITY
NEAR NIZHNIYE SERGI, USSR

INTRODUCTION

A probable regional SAM assembly and storage facility is located at 56-50N 59-25E, 12 nautical miles (nm) north-northeast of Nizhniye Sergi and 40 nm west of Sverdlovsk. It is served by a road and a rail spur off the Sverdlovsk-Krasnoufimsk rail line (Figure 1). The facility covers an area of approximately 270 acres. As of [REDACTED], 44 SAM sites and 10 SAM support facilities were located within a radius of 150 nm of this facility.

trailers, and storage facilities. Moreover, the buildings identified as probably providing fabrication of small parts and storage of components



The installations at Istra, Zhitomir, and Nizhniye Sergi all have a secured storage area that is connected to the main part of the installation by road. All these areas are identified as explosives-storage areas, although the structures in them are not the same size and do not have the same arrangement.

The only differences between the assembly and checkout areas at Zhitomir and Nizhniye Sergi appear to be the size and arrangement of the buildings. Of the three installations the one at Zhitomir is the smallest.

The installation at Istra, which was first observed in [REDACTED] contains more buildings than that at Nizhniye Sergi, but both basically contain assembly buildings, vehicle sheds, drive-through checkout buildings, wide pad areas for missile

GENERAL

The Nizhniye Sergi facility, which is located in heavily forested terrain, consists of six areas running along a generally north-south line for approximately 2 nm (Figure 3). This facility was first seen on TALENT photography of [REDACTED]

at which time the assembly and checkout area was fenced and contained two structures, one of which was under construction. The explosives-storage area also was present and was fenced.

The buildings within the assembly and

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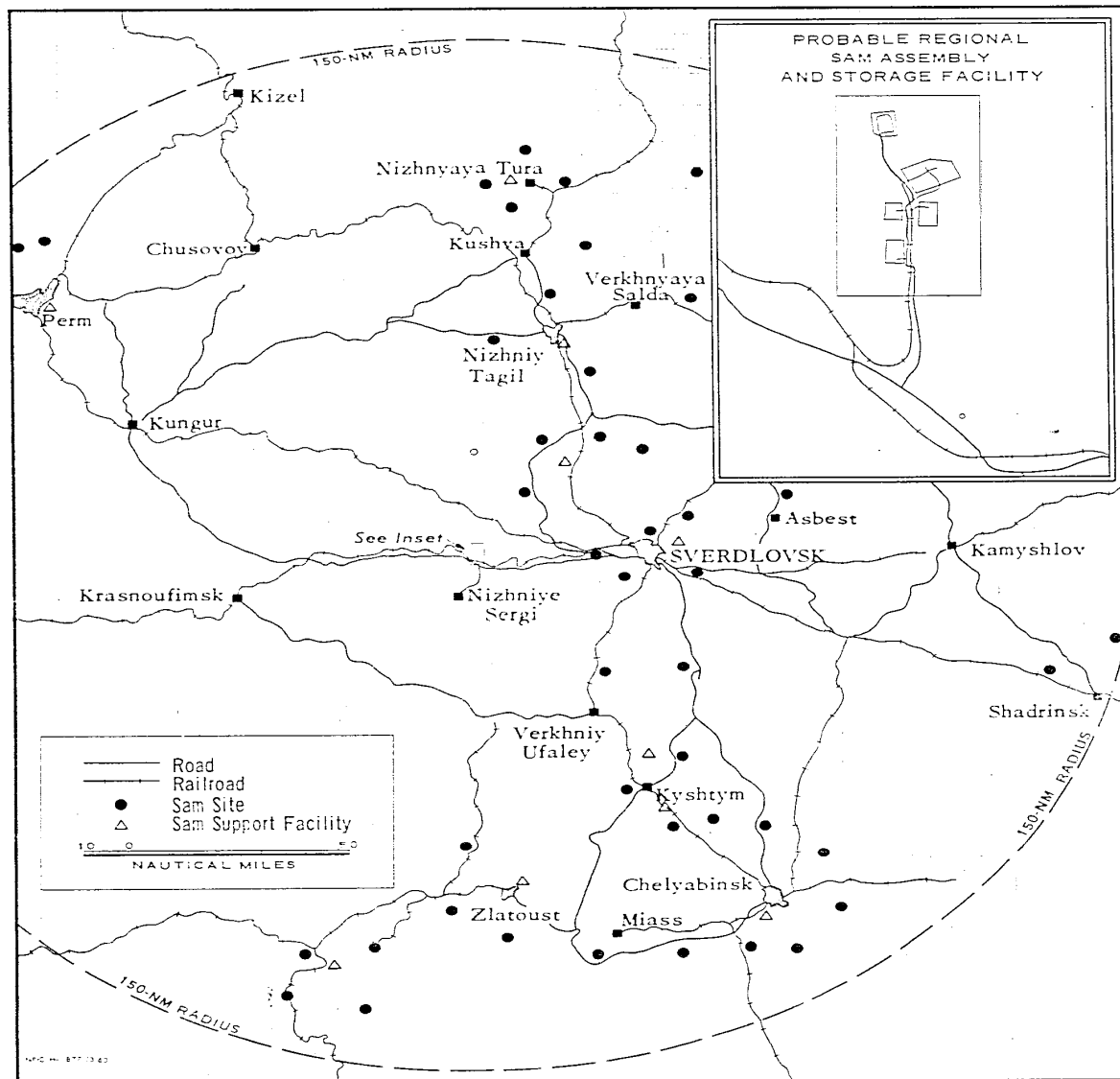


FIGURE 1. LOCATION OF PROBABLE REGIONAL SAM ASSEMBLY AND STORAGE FACILITY.

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checkout area and the explosives-storage area are well separated and are surrounded by heavy growths of trees that afford relative isolation for each of the buildings. The other four areas are generally clear but are surrounded by heavy forest.

A rail spur, road, and power line join about one nm to the south and then run parallel into

the center of the facility. The road, which probably is of all-weather gravel construction, joins the main Sverdlovsk-Kungur highway 2 nm to the south. The power line trace into the maintenance and general storage area runs from the town of Atig, about 10 nm to the southwest. A possible substation is visible at the end of the power line trace.

DETAILED ANALYSIS

The Nizhniye Sergi Probable SAM Assembly and Storage Facility is composed of six areas that have been identified as a major housing area, an administration and housing area, a maintenance

and general storage area, a missile assembly and checkout area, a transloading area, and an explosives-storage area (Figure 3).

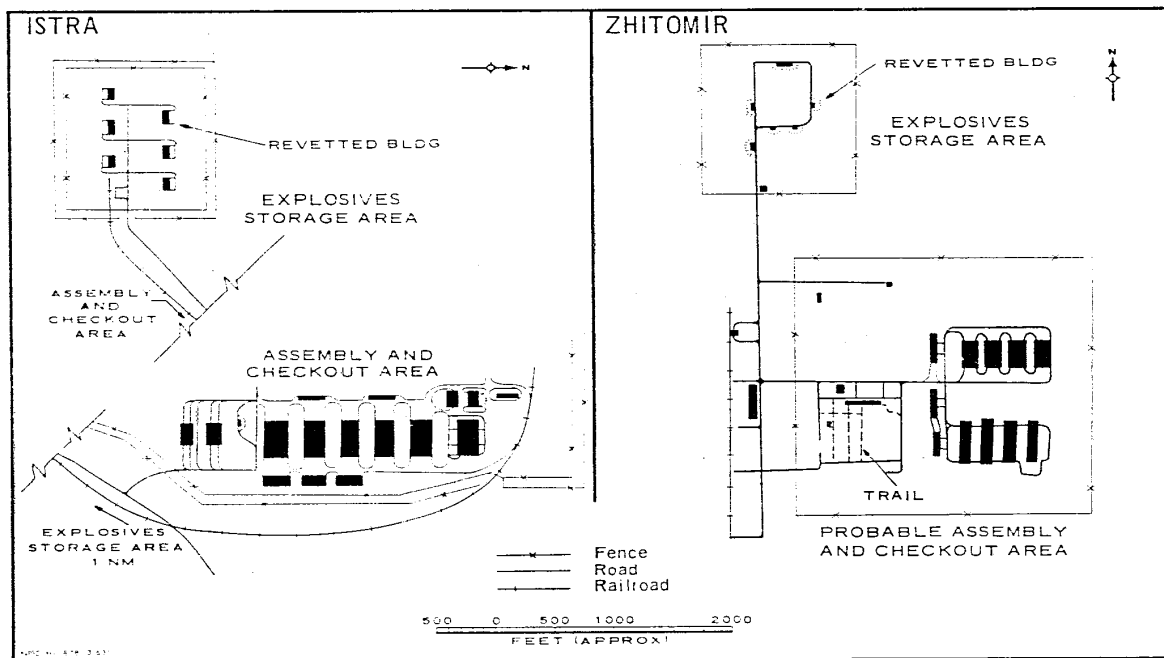


FIGURE 2. COMPARISON OF STORAGE AREAS AND ASSEMBLY AND CHECKOUT AREAS AT ISTRA AND ZHITOMIR.

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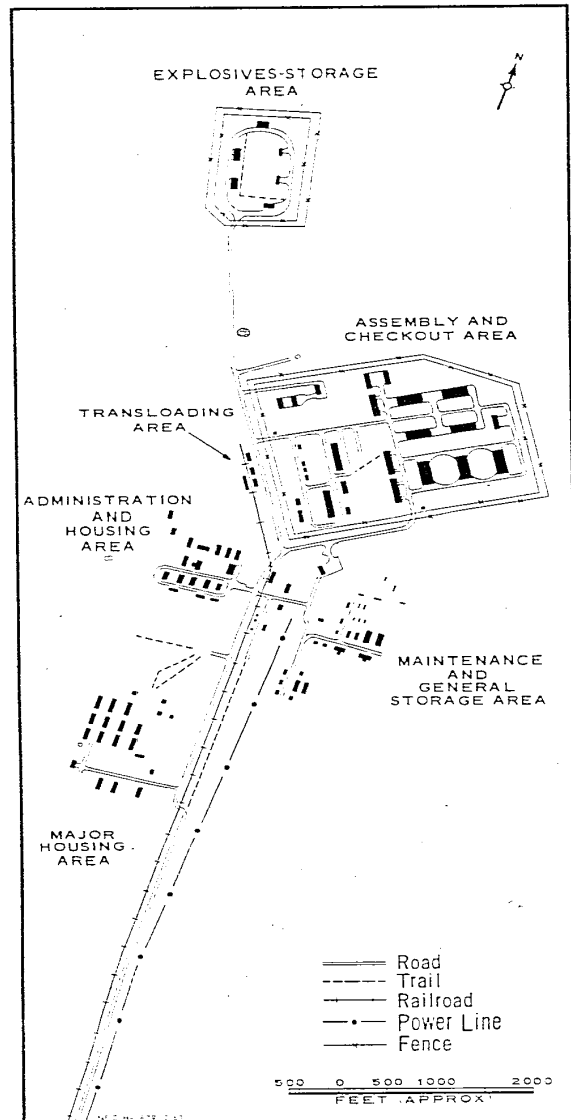


FIGURE 3. COMPONENTS OF ASSEMBLY AND CHECKOUT FACILITY

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Major Housing Area. This area, which is served by an access road off the main road of the facility, is approximately 2,500 feet south of the center of the facility and contains approximately 21 buildings and a probable water tower. Along the access road leading into the area are three buildings, the first of which measures 125 by 45 feet and the other two 185 by 45 feet. The remaining major buildings in the area measure 125 by 45 feet. This area probably provides housing for the permanent personnel assigned to the facility and their families.

Administration and Housing Area. This area is centrally located within the facility, is surrounded by heavy forest, and probably provides administration and additional housing. The area is served off the main road of the facility by an access road which forms a loop containing 5 of the 18 buildings in the area. The buildings within the loop, which probably are the administration buildings, range from 90 by 45 feet to 160 by 45 feet. Just to the north of the loop road are a T-shaped building and two other buildings, the larger of which measures 125 by 55 feet and the smaller 125 by 45 feet. Just to the north of these buildings are five additional buildings that measure 90 by 45 feet. The remaining five structures in the area are small miscellaneous buildings. Between the major housing area and the administration and housing area is an unidentified road-served clearing that was first visible in

Maintenance and General Storage Area. This area, which is east of the administration and housing area, also is centrally located and contains the largest number of buildings of any area within the facility. The area contains approximately 36 structures, the largest 4 of which are located at the terminus of the access road into the area. Two of these structures are rectangular and measure 150 by 45 feet and 140 by 45 feet, respectively, and the

other two are T-shaped and measure 160 by 80 feet overall. The fact that there are no wide roads in the area may indicate that it is an area of secondary importance.

The probable function of this area is that of maintenance and general storage. On the western side of the area, near the road and rail spur, are several buildings that appear to be storage buildings serving a transloading point. This transloading point appears to be similar to that at the end of the rail spur. Just to the northeast of these storage buildings is a building measuring 125 by 55 feet with an apron measuring 125 by 125 feet. This building is just off the road to the southern entrance to the Assembly and Checkout Area and probably serves as a vehicle shed.

On the south side of the area is a group of seven barracks-type buildings, the largest two of which measure 125 by 45 feet, that probably provide immediate housing for the maintenance and general storage area.

Assembly and Checkout Area. This area is enclosed by a double security fence and measures approximately 2,600 by 2,000 feet. Access roads enter the area on both the south and west sides. A security building is located at each of the major entrances. This fenced area was in existence in [REDACTED] at which time it contained two structures, one of which was under construction. At that time, clearings also had been made for eight more of the 26 buildings that were present in [REDACTED]

Along the access road from the south entrance are three single-story structures that measure 280 by 80 feet and, at the northern terminus of the road, two structures measuring 180 by 80 feet straddle the road. The three larger buildings have two entrances off the access road. All five of these buildings probably are used for fabrication of small parts and storage of components.

In the southeast quadrant of the area are

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three assembly-type buildings measuring approximately 300 by 80 feet. They are separated by uncleared strips approximately 260 feet wide and are road served at both ends.

About 300 feet to the north are four drive-through checkout buildings measuring 250 by 130 feet that are arranged in a rectangle, each pair of buildings being parallel. These buildings are interconnected by paved roadways with wide-radius turns.

A small building with an associated paved parking apron is located on the road that connects these two groups of buildings. This building, which is assumed to be a vehicle shed, was the only structure completed in the area in [REDACTED]

In the southwest quadrant of the area are two long storage-type buildings measuring approximately 350 by 80 feet and 350 by 70 feet, respectively. The smaller of the two buildings is located immediately south of the access road from the major western entrance and east of the loop road that encircles the larger building. The diagonal distance between the two buildings is approximately 300 feet. Eight smaller buildings had been built in this area by [REDACTED]. Two of these buildings are in the southwestern corner, four are opposite the smaller storage-type building on the inside of the loop road, and two are located east of the larger storage-type building. A new road runs along the east side of the smaller storage-type building. An unidentified building or clearing is located just to the east of the smaller storage-type building and adjacent to the access road from the western entrance.

In the northwestern quadrant of the area are

three small unidentified buildings served by an access road that enters the area from the west. These buildings appear to have aprons associated with them. The function of these buildings cannot be determined. Just to the north of these buildings and outside the fence is a road-served unidentified clearing that may contain a building.

Transloading Area. Immediately west of the assembly and checkout area at the end of the rail spur is a transloading area consisting of three buildings approximately 90 by 45 feet and several miscellaneous buildings. The three transloading buildings are located between the rail spur and the main road that leads north to the explosives-storage area. By [REDACTED] a fourth building had been added to the west of and adjacent to the rail spur. It is possible that explosives are offloaded here and trucked to the storage area to the north.

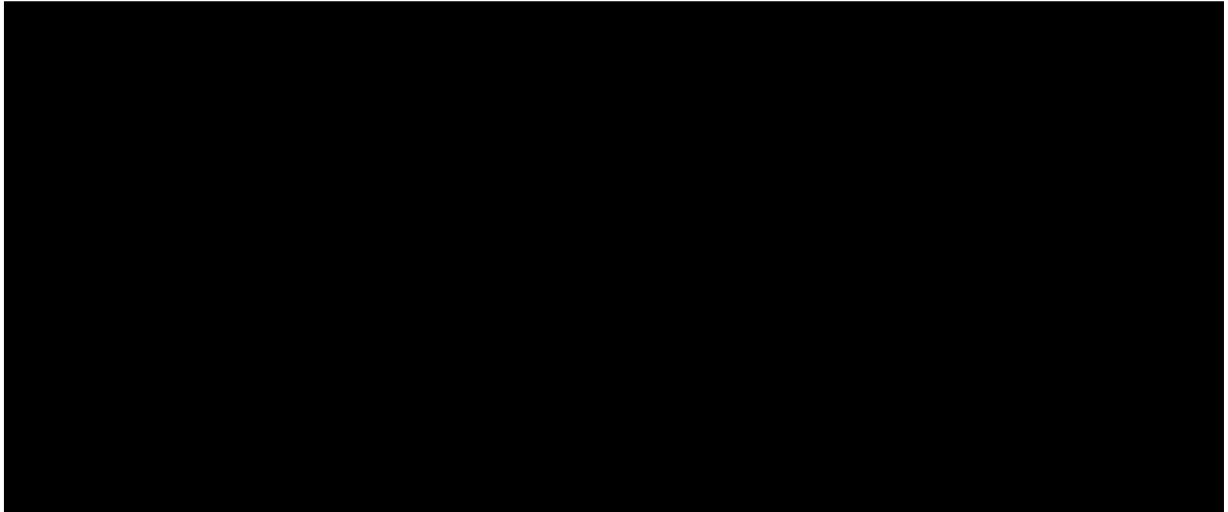
Explosives-Storage Area. Approximately 1,800 feet north of the assembly and checkout area at the terminus of the main road is a double-secured area identified as the explosives-storage area. The area measures approximately 1,500 by 1,000 feet and contains two large and four smaller structures located along a loop road. The two large structures lie along the western segment of the loop road and also appear to be served by a possible inner road. The other four structures lie along the northern and eastern segments of the loop road. As of [REDACTED] only the two large structures were completed. At that time they appeared to have flat roofs and not to be revetted. The probable use of the area is the storage of warheads and possibly propellants.

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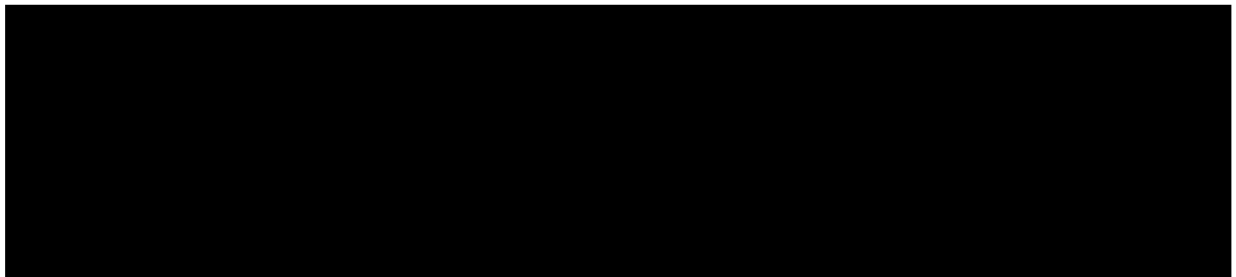
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